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PART NUMBER :	TDS172060	REV.	A

SPECIFICATION

PART NO: TDS172060

【Approval Stamp Column】

Customer :



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1: PHYSICAL DIMENSION

BEFORE COATING

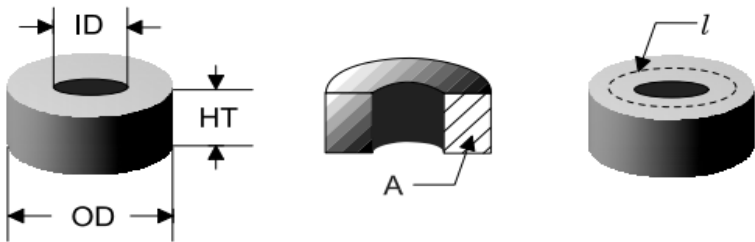
OUTSIDE DIAMETER	(OD)	:	17.27	mm	MAX
INSIDE DIAMETER	(ID)	:	9.65	mm	MIN
HEIGHT	(HT)	:	6.35	mm	MAX

AFTER COATING :

OUTSIDE DIAMETER	(OD)	:	18.03	mm	MAX
INSIDE DIAMETER	(ID)	:	9.02	mm	MIN
HEIGHT	(HT)	:	7.11	mm	MAX

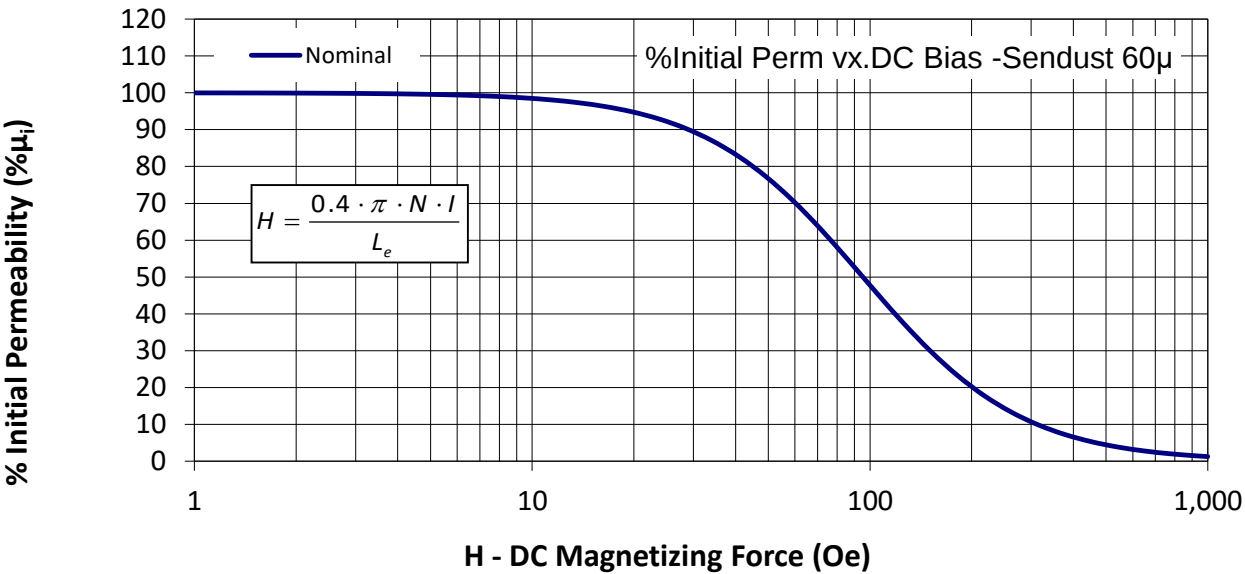
2: CORE MAGNETIC PARAMETERS

EFFECTIVE MAGNETIC PATH LENGTH	(L _e)	:	4.14	cm
EFFECTIVE CROSS SEPCION AREA	(A _e)	:	0.232	cm ²
EFFECTIVE VOLUME	(V _e)	:	0.96	cm ³



3: DC BIASED INDUCTANCE

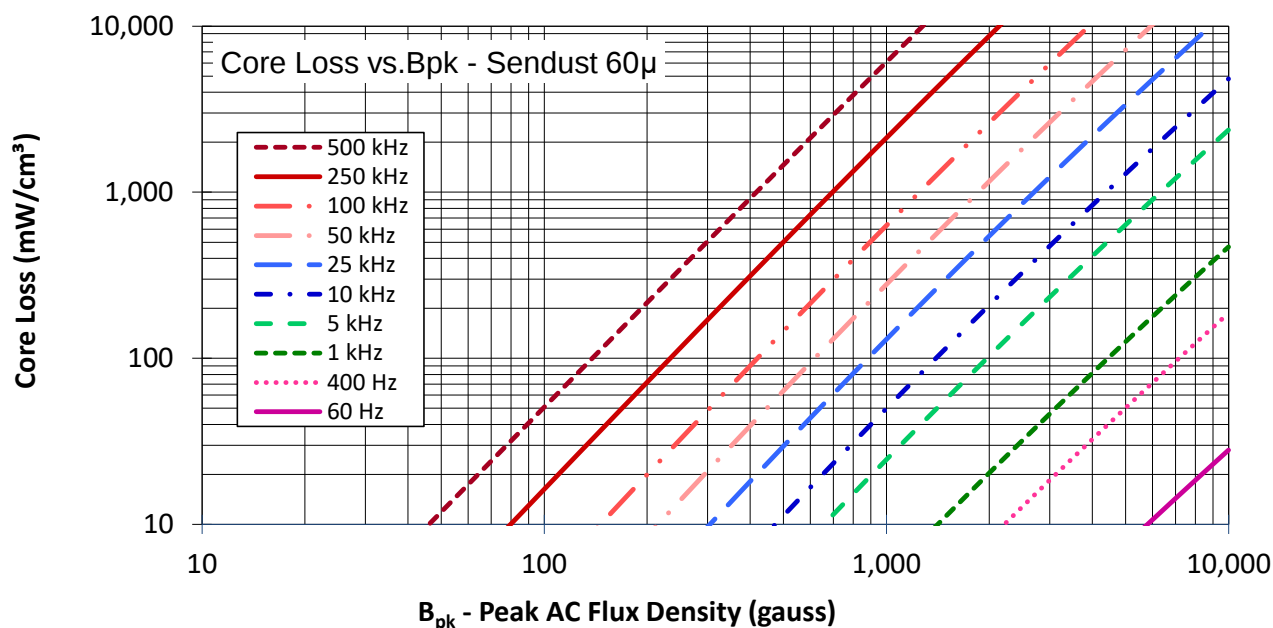
H _{DC}	:	100 Oe
PERCENT INITIAL PERM(NOM)	:	47.79%
PERCENT INITIAL PERM(MIN.)	:	41.41%



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4: CORE LOSS

B_{pk} : 1000 G
 FREQUENCY : 50 kHz
 CORE LOSS (NOMINAL) : 278 mW/cm³
 CORE LOSS (MAXIMUM) : 320 mW/cm³



5: INDUCTANCE

μ_i (REFERENCE) : 60
 AL VALUE (NOMINAL) : 43 nH/N²
 FREQUENCY : 10kHz
 VOLTAGE ON TH2829A : 0.29V
 AL TOLERANCE : $\pm 8\%$
 TEST INSTRUMENT : TH2829A

6: COATING/PACKAGE

COATING TYPE : Black Epoxy
 VOLTAGE BREAKDOWN (MIN.) : 1000 Vrms
 LIMIT : 0.1 mA, 5 s
 PACKAGE QUANTITY : 2340 Pcs/Box

7: MATERIAL DESCRIPTION

85%Fe, 9%Si, 6%Al

REVISION HISTORY			PREPARED	CHECKED	APPROVED
REV.	DESCRIPTION	DATE			
A	FIRST ISSUE	2022/6/8			